

FIG. 1

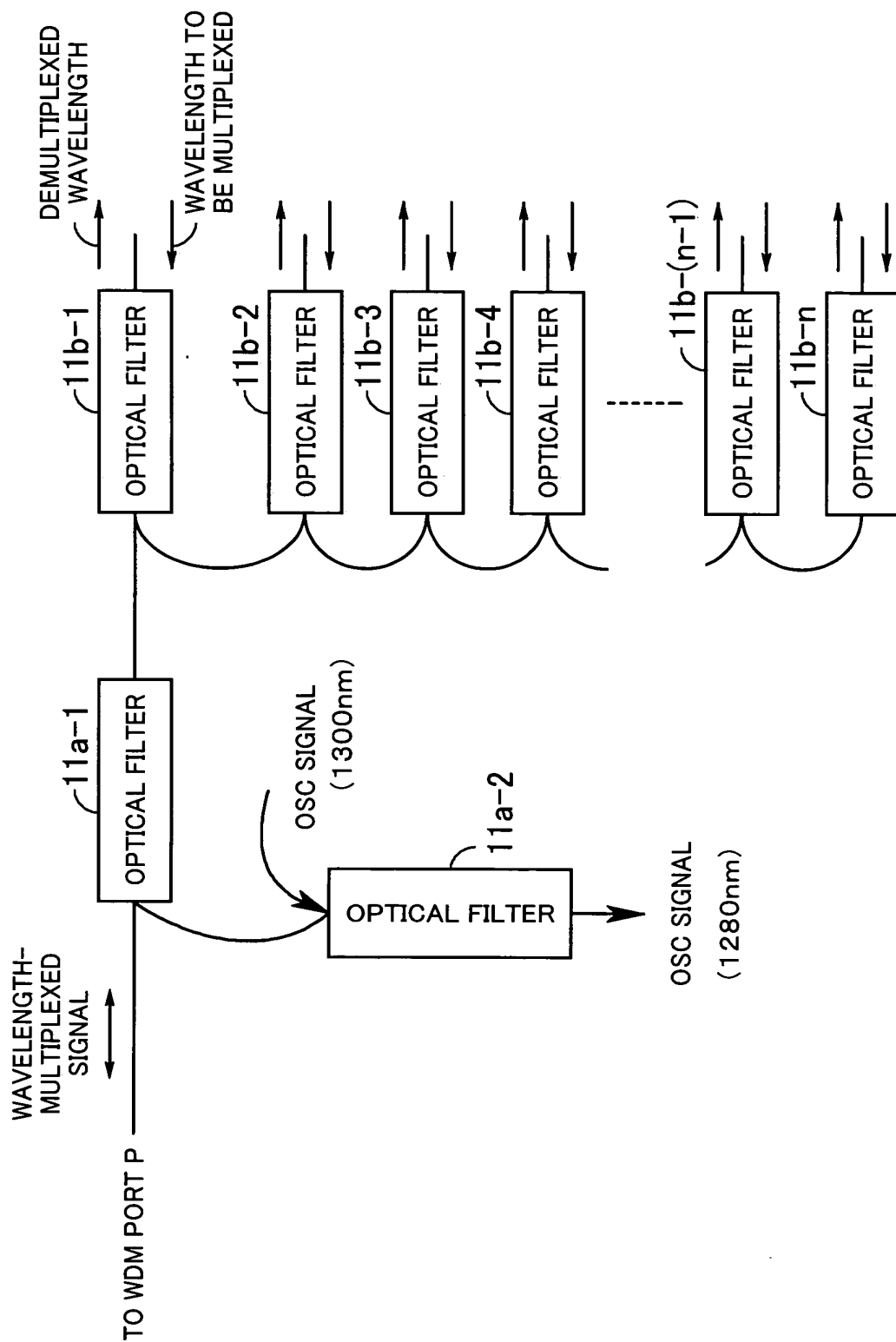


FIG. 2

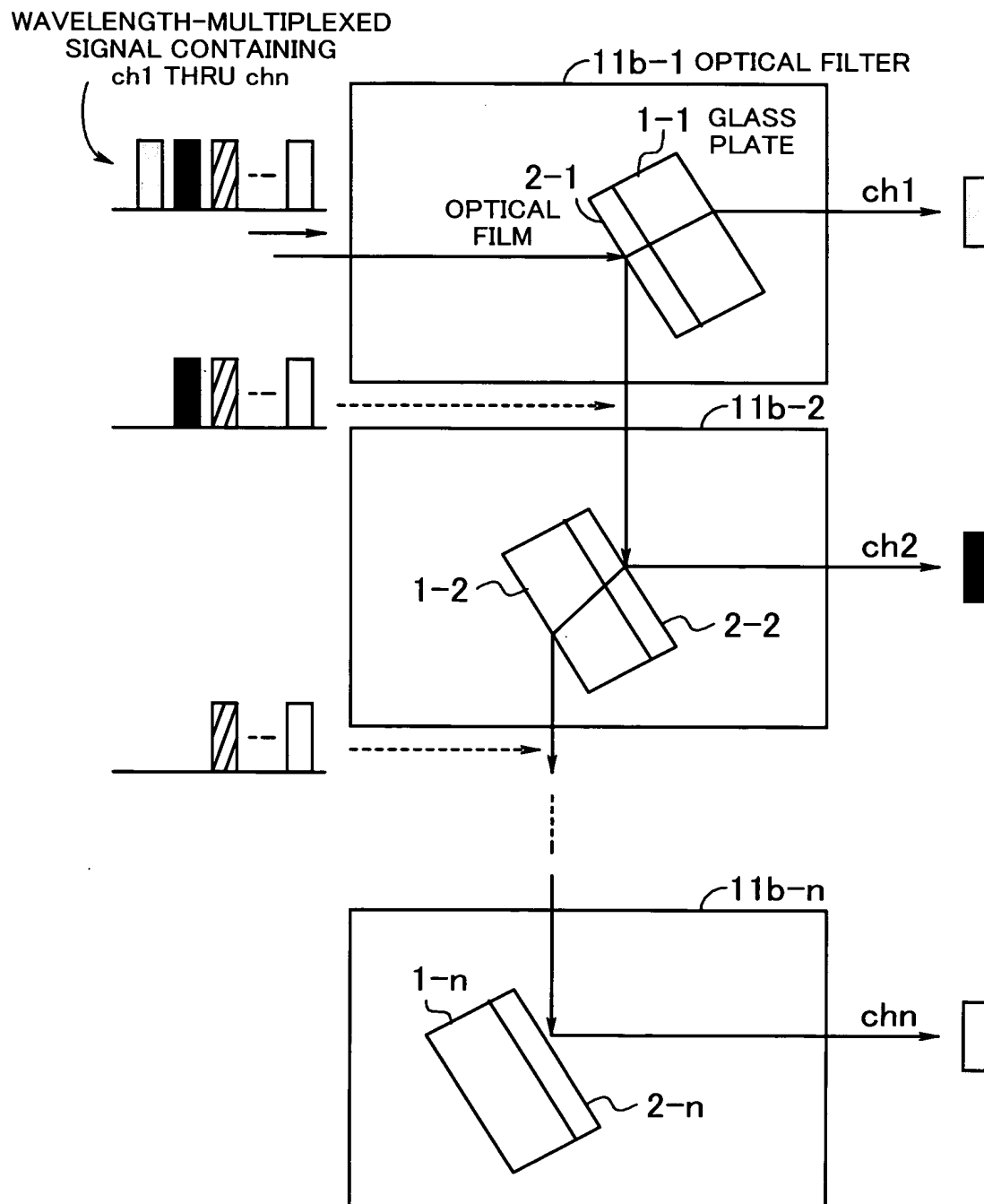


FIG. 3

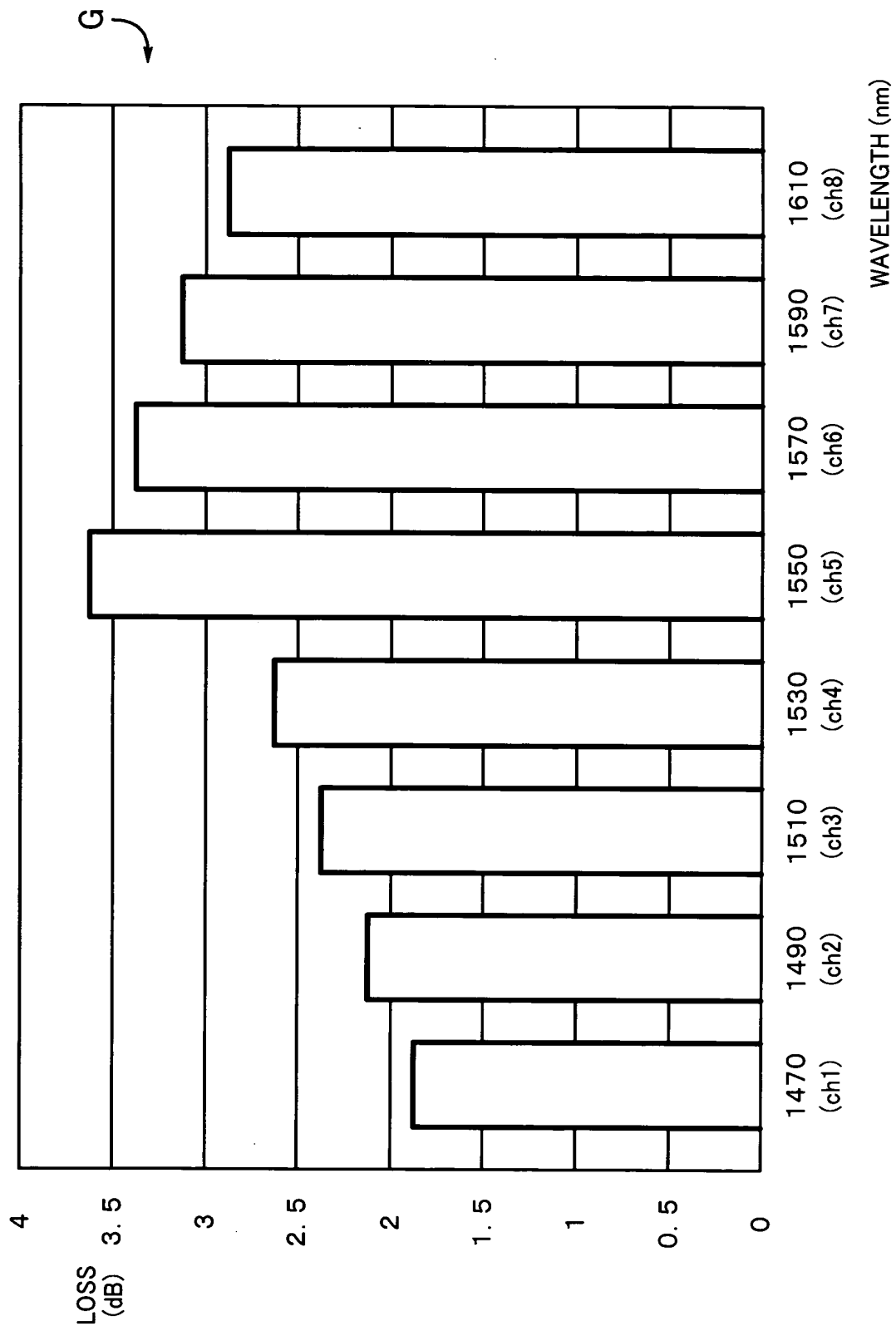


FIG. 4

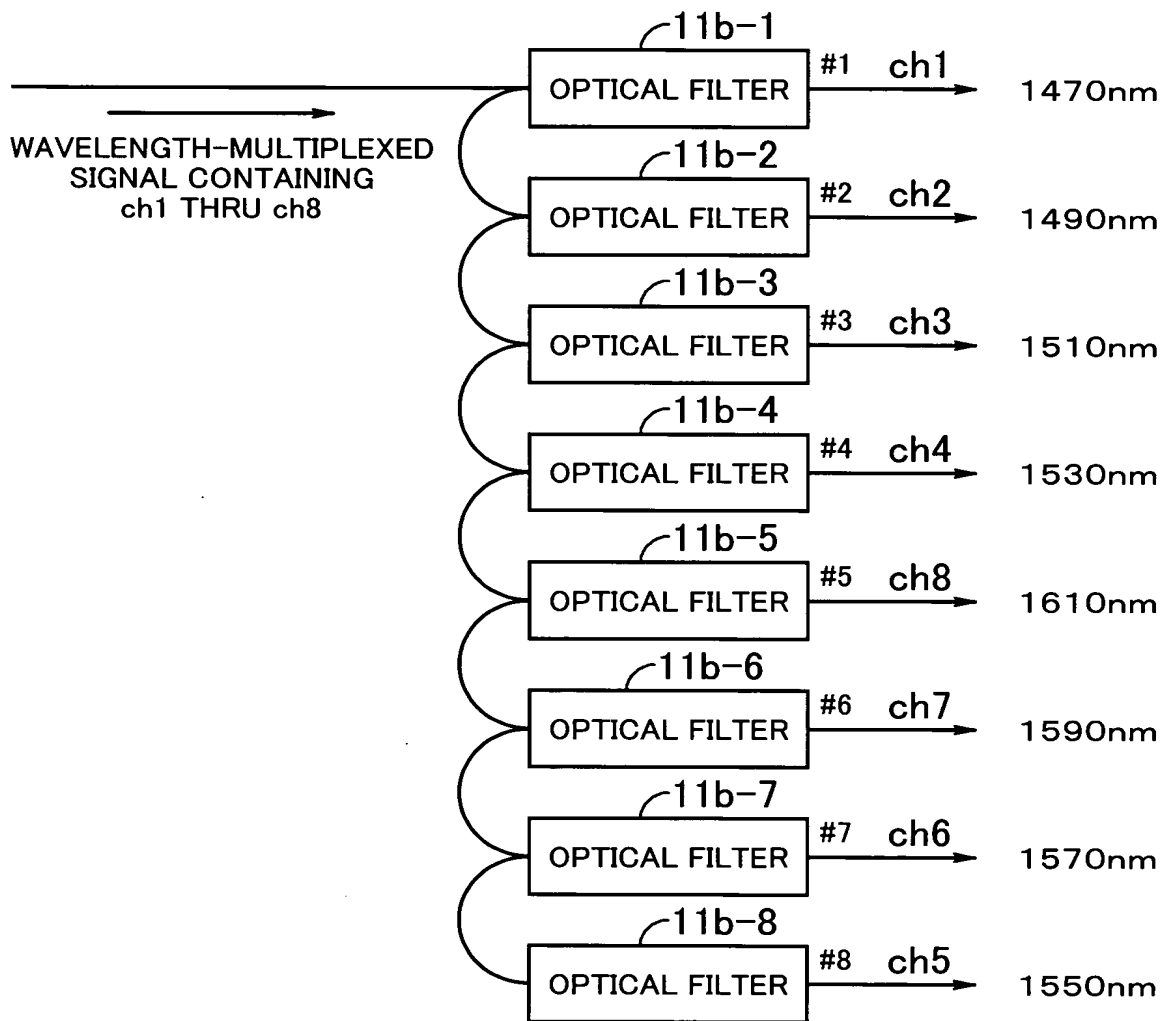


FIG. 5

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PORT NO.	ch	WAVELENGTH	LOSS
#1	ch1	1470nm	1. 9
#2	ch2	1490nm	2. 1
#3	ch3	1510nm	2. 4
#4	ch4	1530nm	2. 6
#5	ch8	1610nm	2. 9
#6	ch7	1590nm	3. 1
#7	ch6	1570nm	3. 4
#8	ch5	1550nm	3. 6

FIG. 6

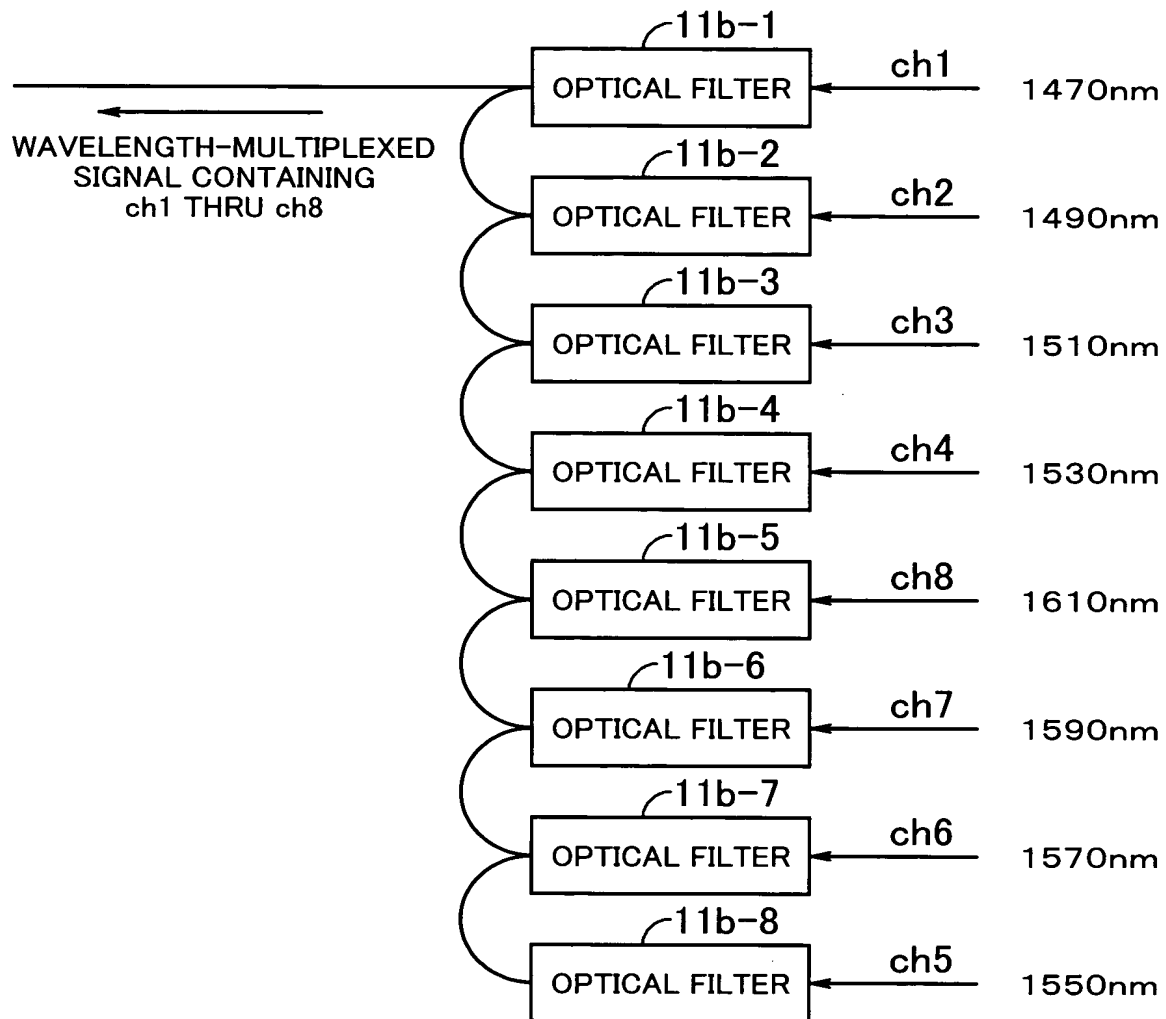


FIG. 7

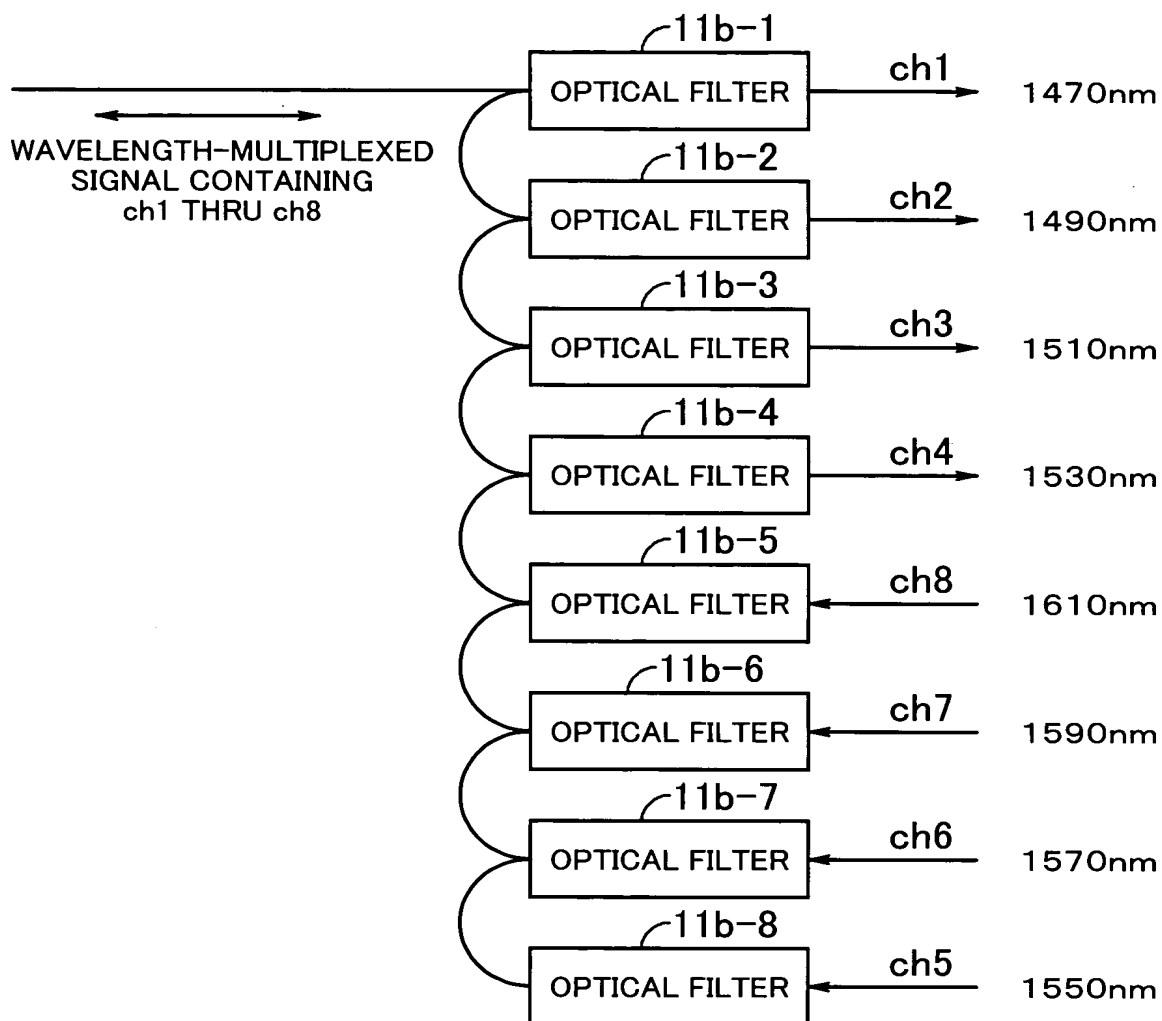


FIG. 8



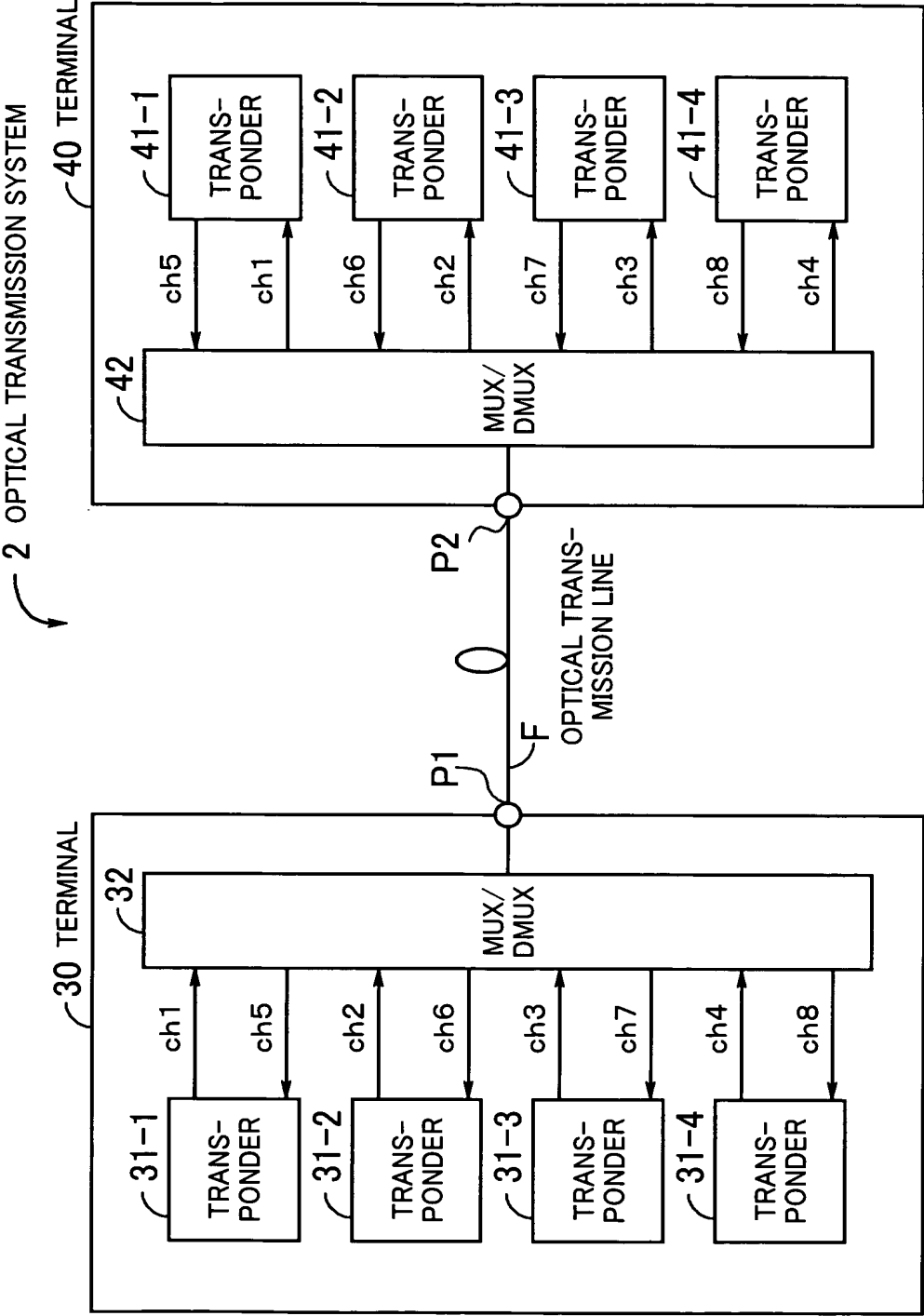
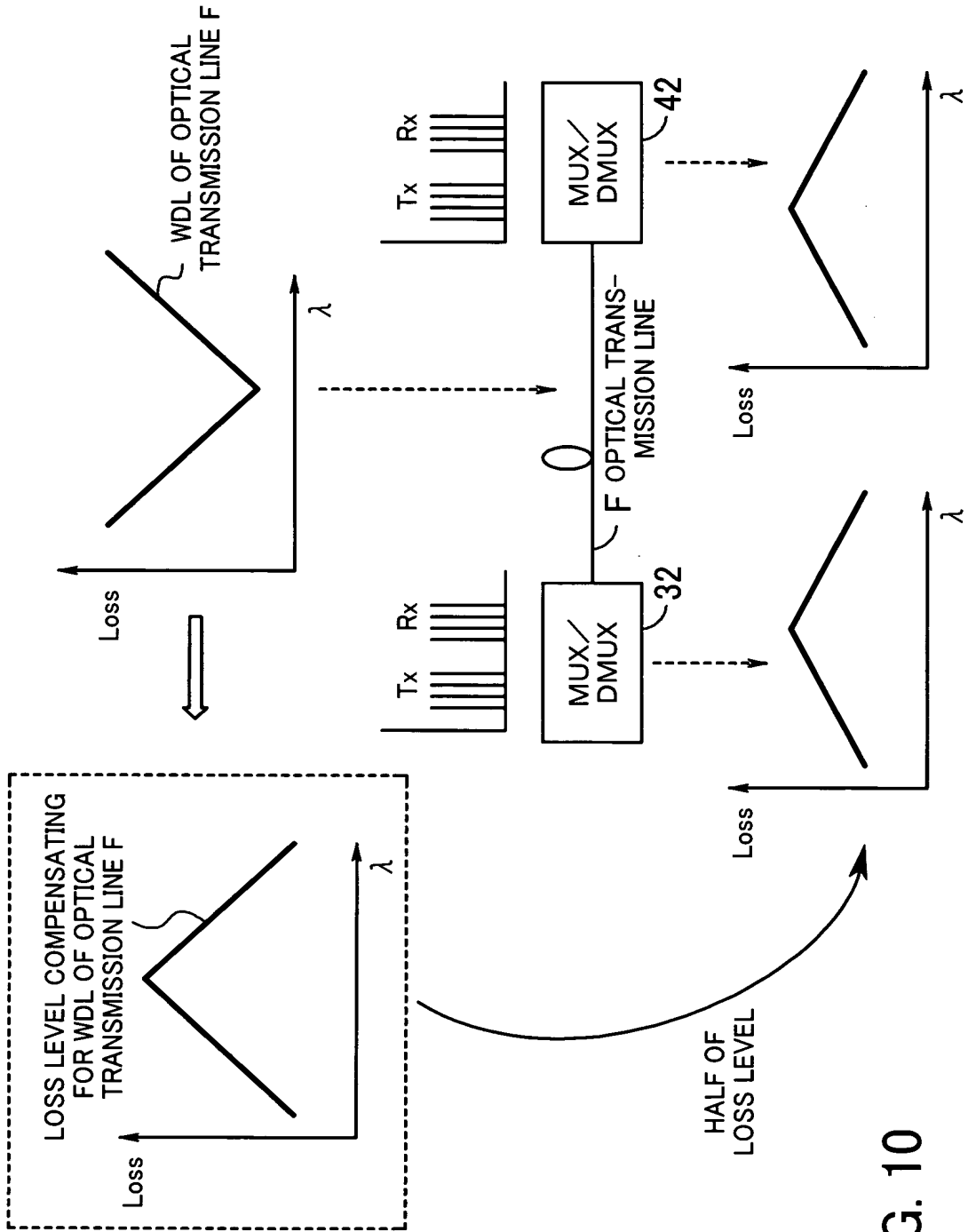


FIG. 9



**FIG. 10**

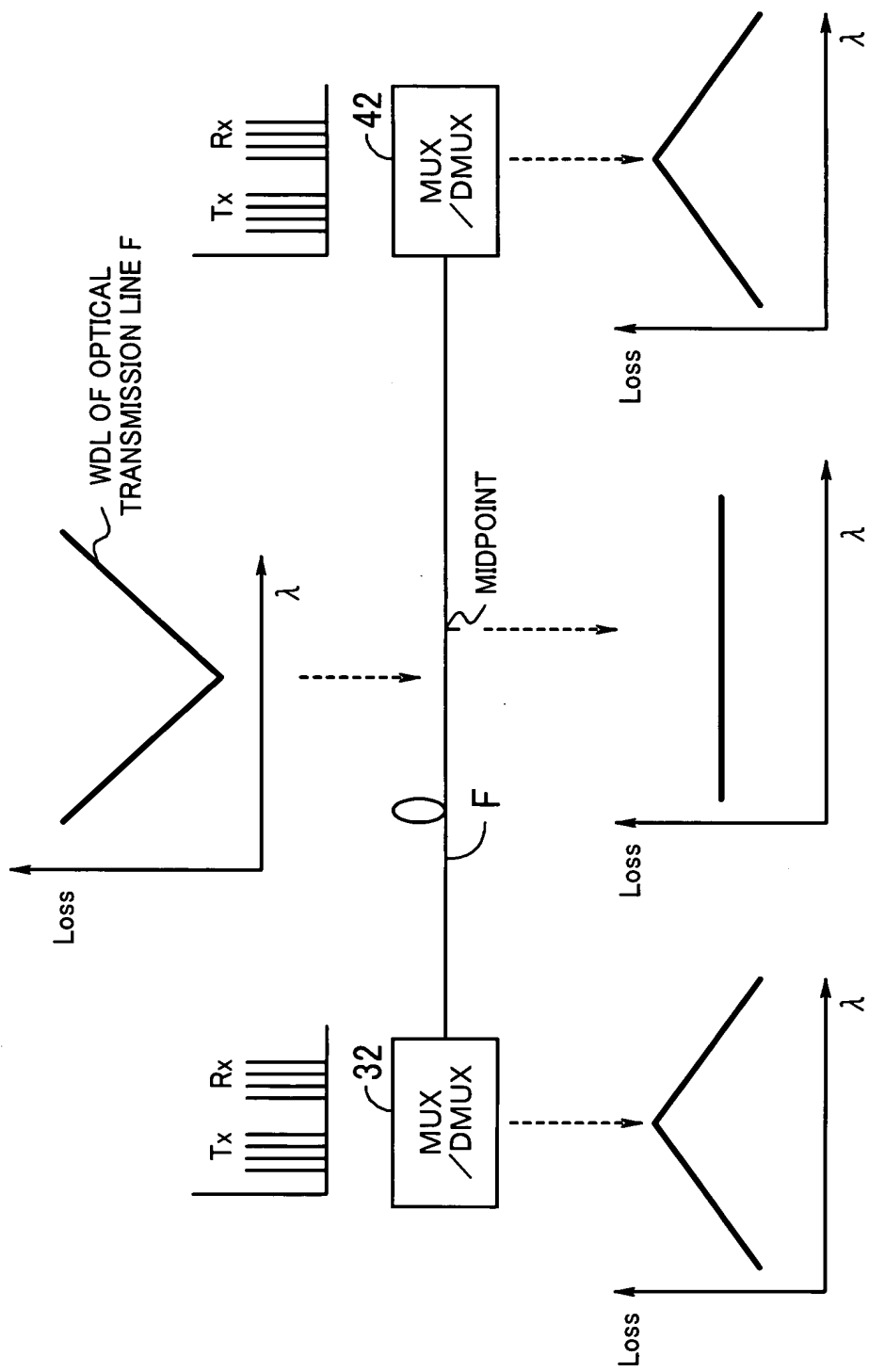


FIG. 11

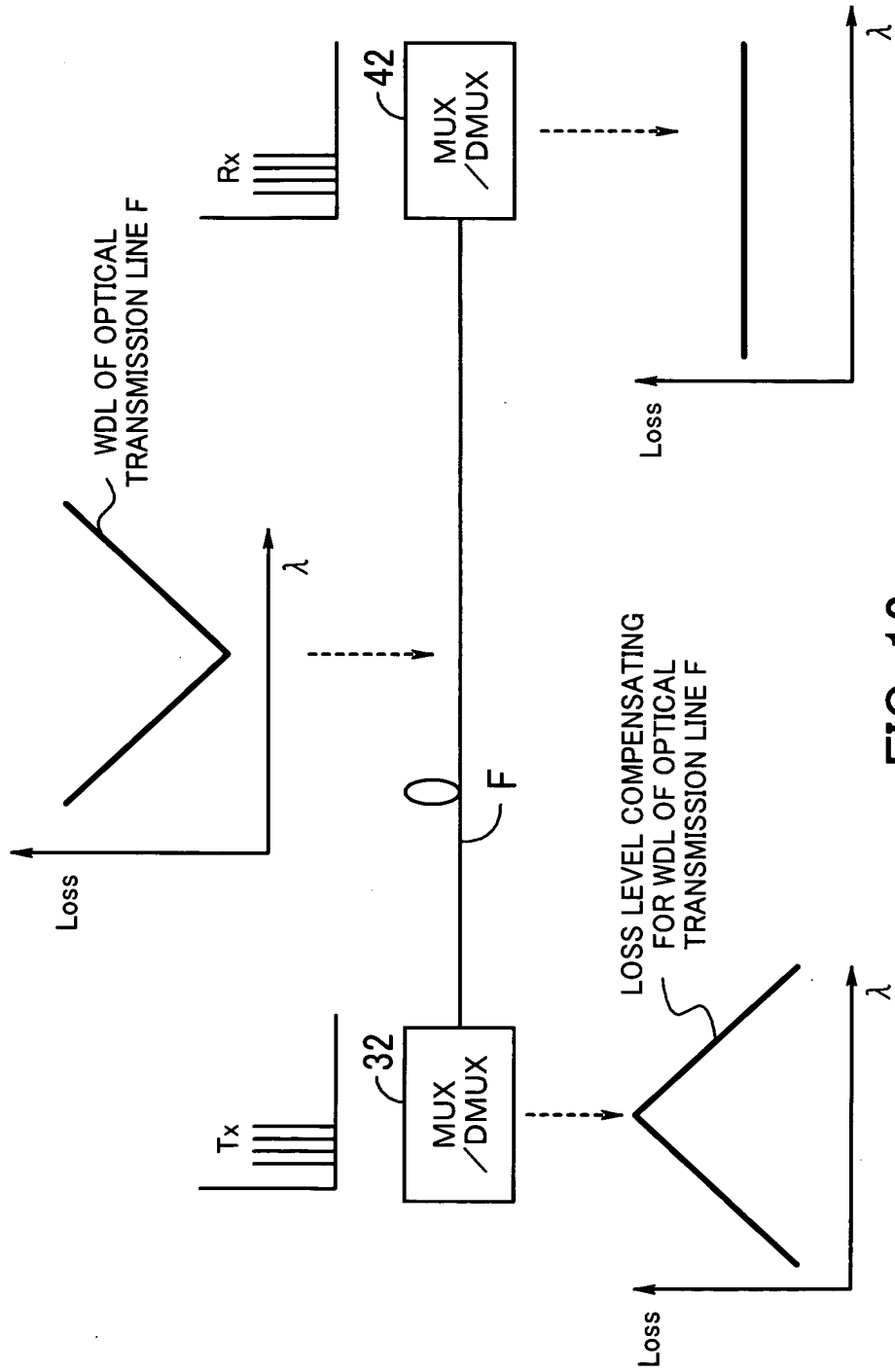


FIG. 12

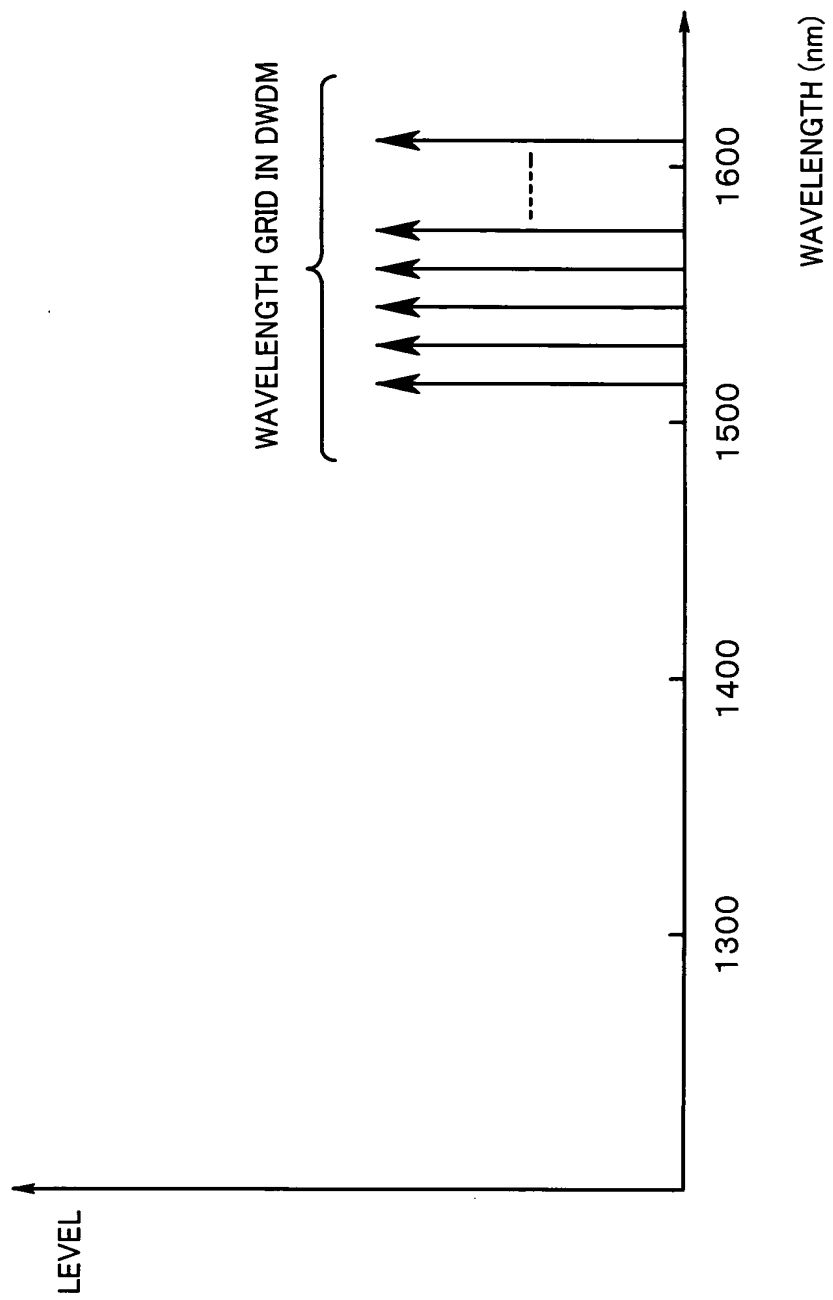


FIG. 13

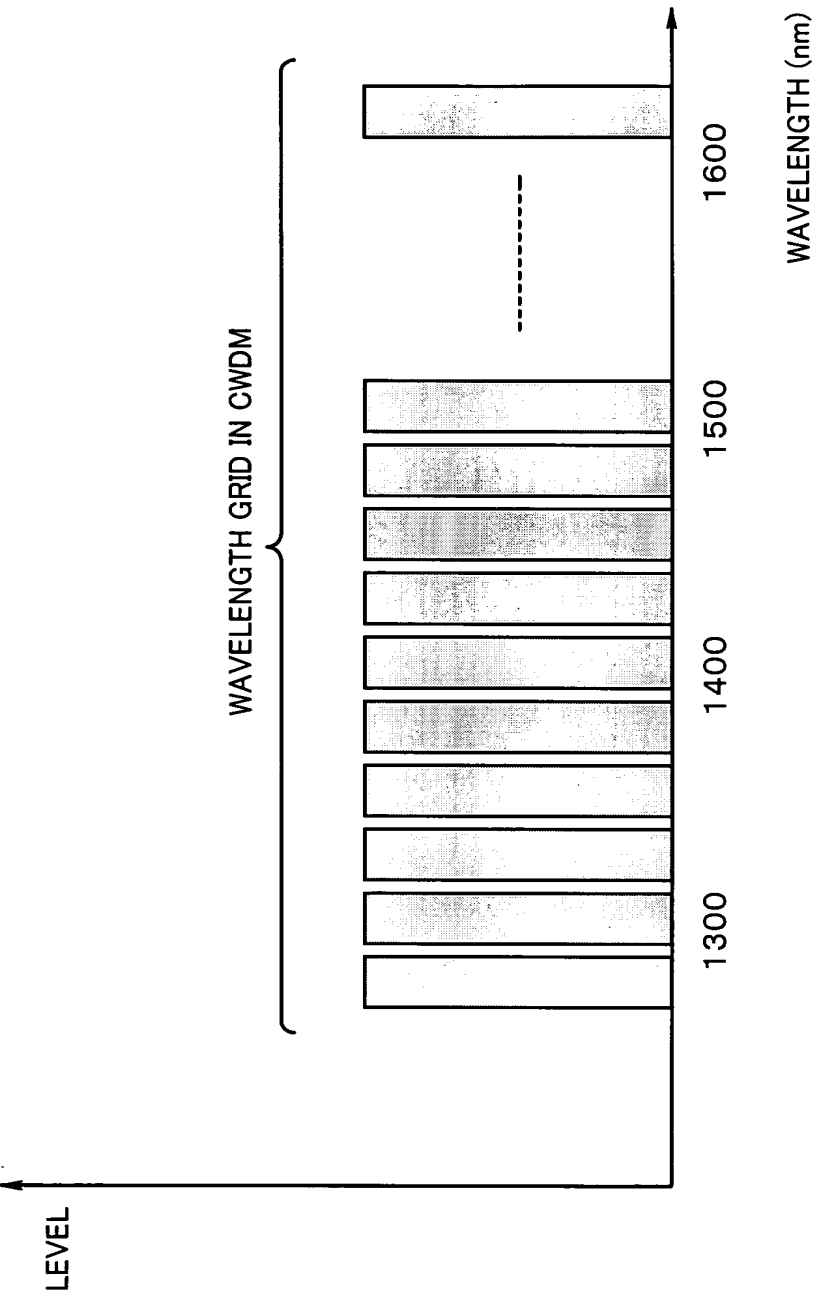


FIG. 14

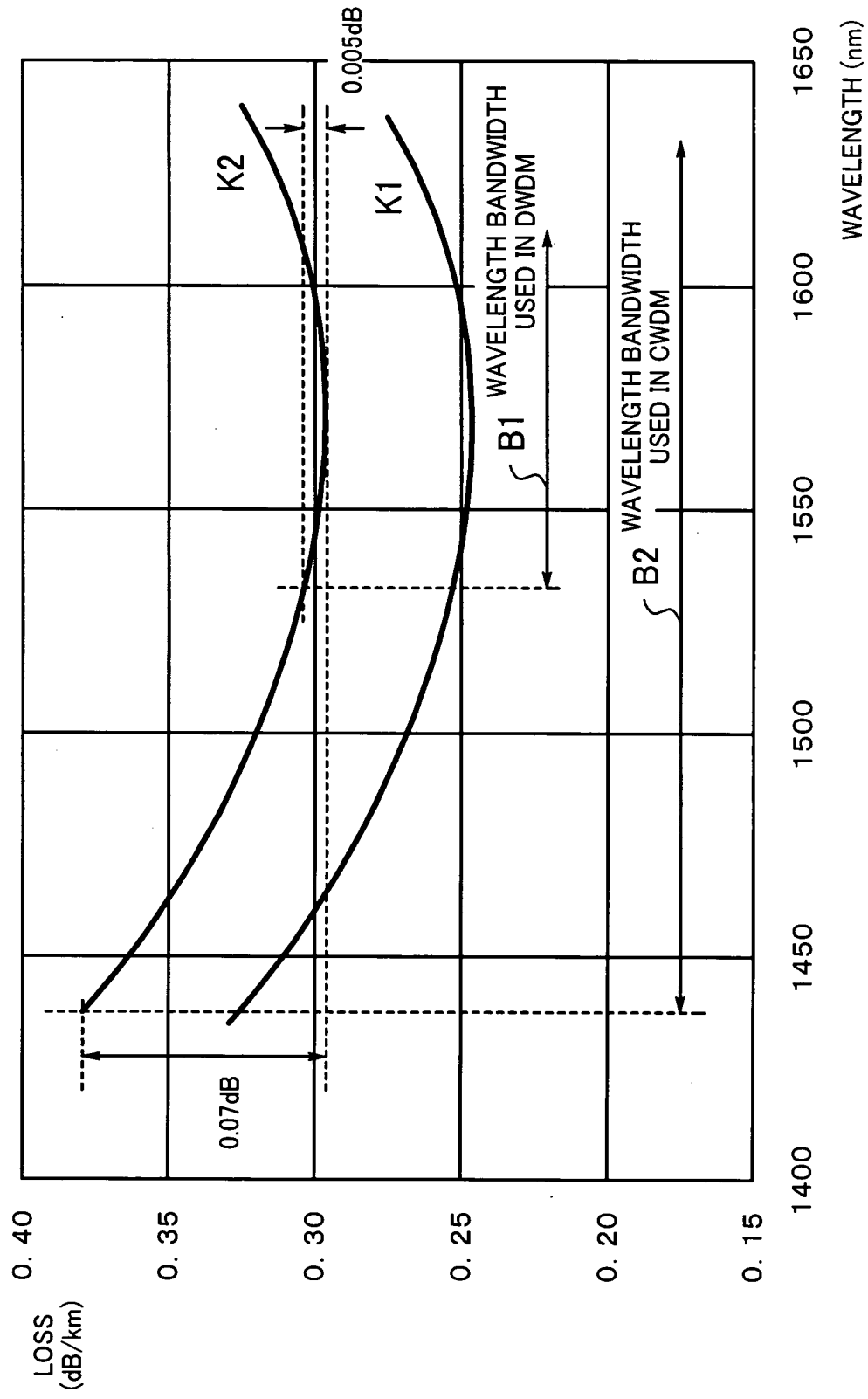


FIG. 15

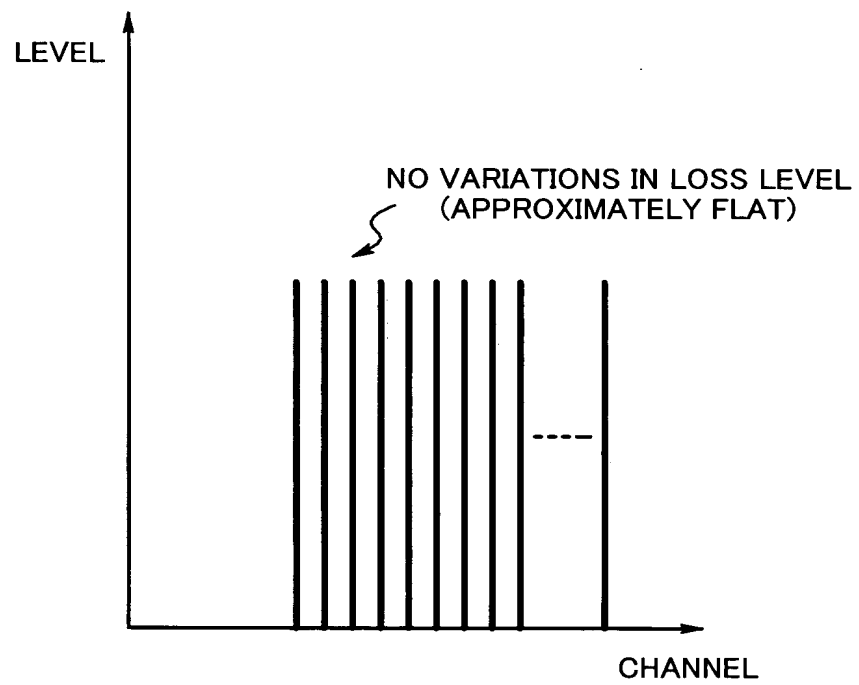


FIG. 16



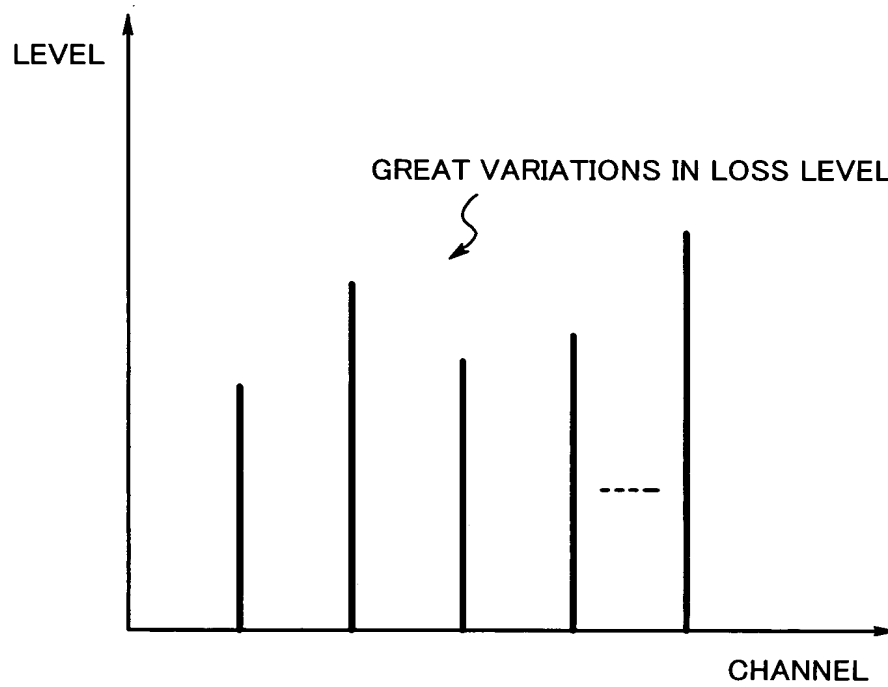


FIG. 17